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## **Class 725 INTERACTIVE VIDEO DISTRIBUTION SYSTEMS**

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- 1 **BILLING IN VIDEO DISTRIBUTION SYSTEM**
- 2 . Data stored locally (e.g., at set-top box)
- 3 .. On nonelectronic medium (e.g., paper tape or meter)
- 4 . Data stored at intermediate point (i.e., at location between headend or server and receiver)
- 5 . Payment method or scheme
- 6 .. Card reader (e.g., reader for credit, debit, or smart card)
- 7 .. Coin operated
- 8 . Having variable cost or free preview period
- 9 **USE SURVEYING OR MONITORING (E.G., PROGRAM OR CHANNEL WATCHED)**
- 10 . Monitoring physical reaction or presence of viewer
- 11 .. With entry of user identification
- 12 .. By passive determination and measurement (e.g., by detecting motion or ambient temperature, or by use of video camera)
- 13 . Manual entry (e.g., using keypad or by written response)
- 14 . By passively monitoring receiver operation
- 15 .. By detecting local oscillator or IF signal
- 16 .. By polling
- 17 .. By monitoring sync or blanking pulse
- 18 .. By use of audio signal
- 19 .. By use of pattern recognition or signature
- 20 .. By data encoded in video signal (e.g., VBI data)
- 21 .. Combined with detecting VCR operation
- 22 **COMMERCIAL OR PROGRAM AIRING VERIFICATION SYSTEM**
- 23 **SYSTEM FOR AWARDED COUPON, TOKEN, OR CREDIT**
- 24 **INTERACTIVE OPINION POLLING**
- 25 **ACCESS CONTROL OR BLOCKING**
- 26 . By mechanical lock
- 27 . Of specific channel
- 28 . Of specific program (e.g., based on program rating)
- 29 . Time dependent (e.g., time spent viewing program, time of day, etc.)
- 30 . Access via PIN or password
- 31 . With encryption or scrambling of video signal
- 32 **PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR SUBSTITUTION**
- 33 . Emergency warning
- 34 . Specific to individual user or household
- 35 . Based on demographics or geographical area
- 36 . Insertion of local commercial or local program at headend or network affiliate
- 37 **OPERATOR INTERFACE**
- 38 . To facilitate tuning or selection of video signal
- 39 .. Electronic program guide
- 40 ... For displaying additional information
- 41 .... Video still or clip
- 42 .... Commercial or advertisement
- 43 .... With separate window, panel, or screen
- 44 ... Content arrangement
- 45 .... Based on genre, theme, or category
- 46 .... Based on personal preference, profile, or viewing history (e.g., to produce redacted listing)

- 47 .... User customization of display content
- 48 ... Combined from plural information providers (e.g., combined terrestrial and satellite sources)
- 49 .... Combined at local receiver
- 50 ... Information updating
- 51 ... Having link to external information resource (e.g., online resource)
- 52 ... Navigational feature
- 53 ... Searching (e.g., by title or actor's name)
- 54 ... Transmission scheme
- 55 ... Provided on recordable medium
- 56 .. Channel guide (i.e., channel-specific as opposed to program-specific guide)
- 57 .. Tune-by-label (i.e., channel selection by alphanumeric character entry)
- 58 .. Program reserve or reminder system
- 59 .. Selecting from multiple inputs or sources
- 60 . Interactive product selection
- 61 . Interactive program selection
- 62 **CELLULAR VIDEO DISTRIBUTION SYSTEM**
- 63 **SATELLITE VIDEO DISTRIBUTION SYSTEM**
- 64 . Two-way
- 65 .. Return path
- 66 ... Terrestrial return path
- 67 . Transmitter
- 68 . Receiver
- 69 .. Polarization of signal
- 70 .. For digital signal
- 71 .. For providing signals to plural subsequent receivers
- 72 .. Antenna initialization, calibration, or aiming
- 73 **TERRESTRIAL MICROWAVE VIDEO DISTRIBUTION SYSTEM**
- 74 **LOCAL VIDEO DISTRIBUTION SYSTEM**
- 75 . Vehicle
- 76 .. Airplane
- 77 ... Seat-back terminal
- 78 . Multiunit or multiroom structure (e.g., home, hospital, hotel, office building, school, etc.)
- 79 .. Using existing power network
- 80 .. Coordinating diverse devices
- 81 .. Using wireless link
- 82 .. Local server or headend
- 83 .. Having additional amenity (e.g., access to outside network, room service, etc.)
- 84 ... Combined with call bell system for hospital use
- 85 .. Receiver
- 86 **USER-REQUESTED VIDEO PROGRAM SYSTEM**
- 87 . Video-on-demand
- 88 .. VCR-like function
- 89 ... By use of memory at receiver
- 90 ... With particular transmission scheme (e.g., transmitting I-frames only)
- 91 .. Server or headend
- 92 ... Mass storage
- 93 ... Control process
- 94 .... Buffering and switching
- 95 .... Channel or bandwidth allocation
- 96 ..... In accordance with server or network congestion
- 97 .... Scheduling (e.g., grouping users together)
- 98 .. Transmission network
- 99 ... Using telephone network
- 100 .. Receiver (e.g., set-top box)
- 101 . Near video-on-demand system (i.e., providing plural, time-staggered versions of same program)

<u>102</u>	.. VCR-like function
<u>103</u>	.. Server or headend
<u>104</u>	. Pay-per-view
<b><u>105</u></b>	<b>VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION</b>
<u>106</u>	. Telephony via television distribution network
<u>107</u>	. Remote testing of cable system
<u>108</u>	. Alarm system using television network
<u>109</u>	. Having link to external network (e.g., interconnected computer network)
<u>110</u>	.. Connection to external network at receiver (e.g., set-top box)
<u>111</u>	.. Cable modem
<u>112</u>	.. Link transmission (e.g., URL sent to user)
<u>113</u>	... Conveyed in video image
<u>114</u>	. Server or headend
<u>115</u>	.. Data storage or retrieval
<u>116</u>	.. Control process
<u>117</u>	.. Communications interface
<u>118</u>	. Transmission network
<u>119</u>	.. Having significant intermediate network unit (e.g., hub, substation, etc.)
<u>120</u>	... With two-way connection from unit to receiver (e.g., for the purpose of channel selection)
<u>121</u>	.. Return path
<u>122</u>	... Return path via telephone network
<u>123</u>	... Wireless return path
<u>124</u>	... Noise in return path
<u>125</u>	.... Ingress noise
<u>126</u>	.. Detail of use of two-way spectrum
<u>127</u>	.. Network component (e.g., filter, tap, splitter, amplifier, repeater, etc.)
<u>128</u>	... Diplex filter
<u>129</u>	.. Hybrid fiber-coax network
<u>130</u>	.. Power signal over network
<u>131</u>	. Receiver (e.g., set-top box)
<u>132</u>	.. Programmable or upgradeable
<u>133</u>	.. With diverse device (e.g., personal computer, game player, VCR, etc.)
<u>134</u>	.. Having particular storage feature
<b><u>135</u></b>	<b>VIDEO DISTRIBUTION SYSTEM WITH LOCAL INTERACTION</b>
<u>136</u>	. Interactive data transmitted in video signal band (e.g., VBI or HBI data)
<u>137</u>	.. Teletext
<u>138</u>	. Headend
<u>139</u>	. Receiver (e.g., set-top box)
<u>140</u>	.. Programmable or upgradeable
<u>141</u>	.. With diverse device (e.g., personal computer, game player, VCR, etc.)
<u>142</u>	.. Having particular storage feature
<b><u>143</u></b>	<b>VIDEO DISTRIBUTION SYSTEM COMPONENTS</b>
<u>144</u>	. Headend
<u>145</u>	.. Data storage or retrieval
<u>146</u>	.. Control process
<u>147</u>	.. Communications interface
<u>148</u>	. Transmission network
<u>149</u>	.. Network component (e.g., filter, tap, splitter, amplifier, repeater, etc.)
<u>150</u>	.. Power signal over network
<u>151</u>	. Receiver (e.g., set-top box)
<u>152</u>	.. Programmable or upgradeable
<u>153</u>	.. With diverse device (e.g., personal computer, game player, VCR, etc.)

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